

HXR-MC2000E

1/4-inch Exmor R™ CMOS Professional AVCHD
Shoulder Mount Camcorder



Making a professional impression



The HXR-MC2000E provides a professional look and shooting style which is ideal for weddings, corporate communications or education facilities. While light and easily portable, its full Shoulder Mount design means your clients immediately know you mean business. Workflow flexibility is enhanced by the ability to record directly onto a removable memory card or a 64GB internal flash memory storage system in High Definition or Standard Definition.

The latter option provides almost six hours continuous recording – perfect for those occasions where you don't want to stop recording, such as weddings or business conferences.

The HXR-MC2000E is designed to be the ideal, entry-level match for almost any type of non-linear workflow. It's an exceptionally cost-effective production package for DVD or Blu-ray content, one that's flexible enough to express your creative ideas and meet your client's requirements.

This product comes with PrimeSupport – fast, hassle-free repairs and a helpline offering expert technical advice. Which gives you the peace of mind that Sony is looking after your equipment, and your business.

Features

Wide-angle G Lens

The HXR-MC2000E comes equipped with a sophisticated G Lens that incorporates Sony's unique optical design technology and quality control, delivering exceptional performance on a par with some of the best lenses in the industry. The HXR-MC2000E itself is

optimised to perfectly complement the G Lens with an advanced image sensor and Sony's famous image processing technology. This improves picture performance whether zooming in on the action, or getting a perspective on the big picture with the 29.8 mm wide angle in Video mode (35mm equivalent).

Exmor R™ CMOS Sensor with ClearVid Array

The HXR-MC2000E's Exmor R™ CMOS sensor is capable of producing superb image quality even in low-light conditions. Sony's unique imaging system incorporates exclusive back-illuminated technology that doubles sensitivity compared to conventional CMOS sensors, providing a dramatic boost in low-light performance. Autofocus technology is also enhanced to perform better in low-light conditions, so the G-lens can quickly achieve sharp focus on a moving subject. This superb performance in dimly indoor scenes and outdoor night scenes is matched by excellent results in bright daylight.

Optical SteadyShot with Active Mode

This feature ensures smooth movement while recording footage in many challenging shooting situations. In addition, Sony's innovative 3-Way Shake-Canceling technology adds electronic roll stability for even smoother video capture. This latest version of image stabilisation technology realizes images that are up to 10x steadier for wide angle shooting than conventional Optical SteadyShot images. As the user zooms in, an intelligent digital image stabiliser starts to blend in and work together with its optical counterpart to effectively reduce camera shake. This technology also reduces shake in the rolling direction that commonly occurs when shooting while walking.

Manual Lens Ring with Assignable Parameters

Using the assignable lens ring, users can manually adjust key parameters like Focus, White Balance, Exposure, AE Shift, Iris priority and Shutter Speed priority. Users can control the G Lens iris to create an out-of-focus effect in the foreground or background. Shutter-speed can also be controlled to create special effects, such as the flowing motion of a waterfall or bird wings in flight etc.

Long Operating Time with infoLITHIUM-L Series Battery

The HXR-MC2000E camcorder uses standard infoLITHIUM L series batteries, which are compatible with many of Sony Professional's camcorders and accessories. The largest capacity battery (NP-F970) provides a maximum operating time of approximately 13 hours using AVCHD recording in FH mode.

Ergonomic Handle & Controls

The ergonomically designed handle contains a convenient record button and zoom control, essential for low position shooting. There are also cold shoes on the front and rear of the handle, which allow for the attachment of two different types of accessories.

Flexible Operation with Consumer Memory Cards

The HXR-MC2000E supports recording directly onto Memory Stick Pro Duo or SD/SDHC cards (please see Specifications for compatible memory cards). This makes it convenient and economical to obtain new media in almost any location. In addition, a large capacity 64GB solid-state memory comes built into the camcorder body. This combination of removable and built-in memory is especially convenient when shooting a corporate event or wedding on the move. When content has been backed up to a HDD or downloaded to a PC for editing, you can simply reuse both the removable memory cards and internal memory for your next assignment.

AVCHD – Ideal for Memory Recording

AVCHD is a highly efficient data compression format which greatly reduces memory requirements, maximizing the benefits of file-based recording with high image quality in a small file size. This is made possible by the exceptionally efficient MPEG4 AVC/H.264 codec. Many consumer electronic devices already support AVCHD playback, and more are on the way. Numerous major NLE software programs feature AVCHD input and editing.

MPEG-2 for SD (Standard Definition) Recording Format

The HXR-MC2000E's Standard Definition recording format is MPEG-2, which is the same compression codec as standard DVD video discs. If your project will end up on DVD, then using this format can save you production time and maintain the original image quality.

DVDirect & Direct Copy

When the camcorder is connected to the optional DVDirect Express (VRD-P1) DVD writer via a USB cable, a single press of the One Touch Disk button is all it takes to burn video footage directly onto a DVD - without using a PC. This model is also equipped with a down-conversion function that enables DVD burning to SD picture quality. Users can playback a DVD they just created simply by pressing the Play button on the DVDirect Express when the camcorder is connected.

With Direct Copy you also have the option of quickly and easily backing up valuable video data on an external hard disk drive, HDD - without using a PC. Simply connect the camcorder using the supplied USB Adaptor Cable (VMC-UAM1).

Peace of Mind

The HXR-MC2000E comes supplied with a 2-year PrimeSupport contract which offers unique extra services and benefits;

2 years' cover

Free telephone helpdesk support in English, German, French, Italian and Spanish.

Collection and replacement product delivery anywhere in EU, Norway and Switzerland.

Technical Specifications

General

Mass

(w/Hood, w/Eye Cup)	2.7kg (5 lb 15 oz)
(w/Hood, w/Eye Cup, w/Battery, w/Microphone, w/ Recording Media,)	2.9kg (6 lb 6 oz)

Dimension (W x H x D)

(w/Hood, w/Eye Cup)	255×232×456mm (10 1/8×9 1/4×18 inch)
(w/Hood, w/Eye Cup, w/Battery, w/Microphone, w/ Recording Media,)	255×234×464mm (10 1/8×9 1/4×18 3/8 inch)

Power requirements

Power Requirements (AC adaptor / Battery)	8.4V/7.2V
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Power consumption

viewfinder - normal brightness (HD / SD)	3.4W/2.6W
LCD - normal brightness (HD / SD)	3.4W/2.6W

Operating temperature

	0 to +40 deg C (+32 to +104 deg F)
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Storage temperature

	-20 to +60 deg C (-4 to +140 deg F)
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Battery operating time

Continuous recording time	Approx. 280 min (FH, LCD, NP-F570: fully charged batt.)
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Recording format

Video Format

HD	MPEG-4 AVC/H.264 (AVCHD)
SD	MPEG-2 PS

Audio Format

HD	Dolby Digital 2ch, 16bit, 48kHz
SD	Dolby Digital 2ch, 16bit, 48kHz

Recording frame rate*1

	AVCHD FX (24Mbps) 1920 x 1080/50i/16:9
	AVCHD FH (17Mbps) 1920 x 1080/50i/16:9
	AVCHD HQ (9Mbps) 1440 x 1080/50i/16:9
	AVCHD LP (5Mbps) 1440 x 1080/50i/16:9
	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, MPEG2 SD HQ (9Mbps) 720 x 576/50i/16:9, 4:3

Recording/Playback time

	175 min (2h 55m) with 32GB Memory Stick PRO-HX Duo FX (24Mbps) Dolby Digital 2ch recording
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Zoom ratio

	Sony G Lens, 12x (optical), 160x Digital Zoom
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Focal length

	f = 2.9 to 34.8 mm (equivalent to f = 29.8 to 357.6 mm at 16:9 mode, f = 27.4 to 328.8 mm at 4:3 mode on 35 mm lens) "MOVIE" position only
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Focus

	Full range auto/Manual
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Image stabilizer

	ON/OFF selectable
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Filter diameter

	37mm
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Camera Section

Imaging device	1/4-inch type Exmor R™ CMOS with ClearVid pixel array
	Pixel Gross:Approx.4200K, Video Actual:Approx.2650K(16:9)
Minimum illumination	3 lx (Low LUX mode, 1/30 shutter)
Shutter speed	1/6 - 1/10000 (Manual Shutter Speed Control)
Iris	F1.8 - F3.4
Slow and Quick Motion function	200 fps (fixed) as Smooth Slow Rec - The picture quality is degraded. (fps : Field per Sec.)
White balance	Auto, outdoor (5800K), indoor (3200K), One-push (Touch panel)

Inputs/Outputs

Mic input	Stereo mini jack (x 1) 3.5mm
A/V Output	Pin Jack
Component Video Output	Pin Jack
Remote Connector	Stereo mini-minijack (2.5mm)
USB	USB device, Mini-AB/Hi-Speed (x 1)
Headphone output	Stereo mini jack (x 1) 3.5mm
HDMI output	HDMI connector (x 1)

Monitoring

Viewfinder	0.2 inch-type approx. 201 600dots (300x224x3 [RGB]), 4:3 aspect ratio
Built-in LCD monitor	2.7 ClearPhoto LCD, approx. 230 400dots(960 x 240), 16:9 aspect ratio

Microphone

	2ch Stereo microphone
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Recording Media

Internal Memory	64GB
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Type	
	Memory Stick PRO Duo (Mark2), Memory Stick PRO-HG Duo, Memory Stick PRO-HG Duo HX
	SD/SDHC/SDXC Memory Card
	Recommended capacity: more than 1GB for AVCHD shooting , Standard Definition Model / Capacity: more than 512MB

Supplied Accessories	
AC-L100C	AC Adaptor/Charger

NP-F570	Rechargeable Battery Pack
Power cord	
ECM-PS1	Microphone (Stereo)
Wind Screen	
Eyecup	
Lens hood	
Lens cap	
Composite cable (RCA x3)	
USB cable (mini-B)	
VMC-UAM1	USB Adaptor cable (for external HDD)
PMB	Application Software (CD-ROM)

Accessories

Shotgun



ECM-CG50BP

3.5mm stereo jack shotgun microphone

Lights



HVL-LBPB

On-camera LED Video Light

Production Monitors



LPM-770BP

Portable LCD Field Monitor

Support Plans

PrimeSupport Plus BC1

1-Year Additional Cover for Broadcast and Pro A/V Products